

APPENDIX C. SALINITY PROFILES FOR SURFACE WATER GRAB SAMPLING EVENTS

Water quality profiles were collected for each surface water grab sample at each of the three sampling locations and during each of the eight sampling events. Salinity profiles for each event are presented in the figures below. In some cases, salinity data are not presented because, based on the results, the data were flagged as uncertain and /or unreliable.¹ These locations/events included storm 3 (all locations), wet baseflow 1 (locations SW1 and SW2), and wet baseflow 2 (location SW1).

Figures in this appendix include the following:

- ◆ Figure 1 – Comparison of salinity profiles by location
- ◆ Figure 2 – Salinity profiles for dry baseflow event 1 (DB1)
- ◆ Figure 3 – Salinity profiles for dry baseflow event 2 (DB2)
- ◆ Figure 4 – Salinity profiles for storm 1 (ST1)
- ◆ Figure 5 – Salinity profiles for storm 2 (ST2)
- ◆ Figure 6 – Salinity profiles for storm 4 (ST4)
- ◆ Figure 7 – Salinity profiles for wet baseflow event 1 (WB1)
- ◆ Figure 8 – Salinity profiles for wet baseflow event 2 (WB2)

The average salinity profiles presented in Figure 1 were developed by binning the salinity data in 0.5-m increments and calculating the average salinity for each bin. The binned values for each grab were then averaged across the entire event to calculate the values presented in Figure 1.

¹ The YSI meter calculates salinity using the temperature and conductivity data. In cases when the instrument used to record that data was not functioning properly, no salinity information is available.

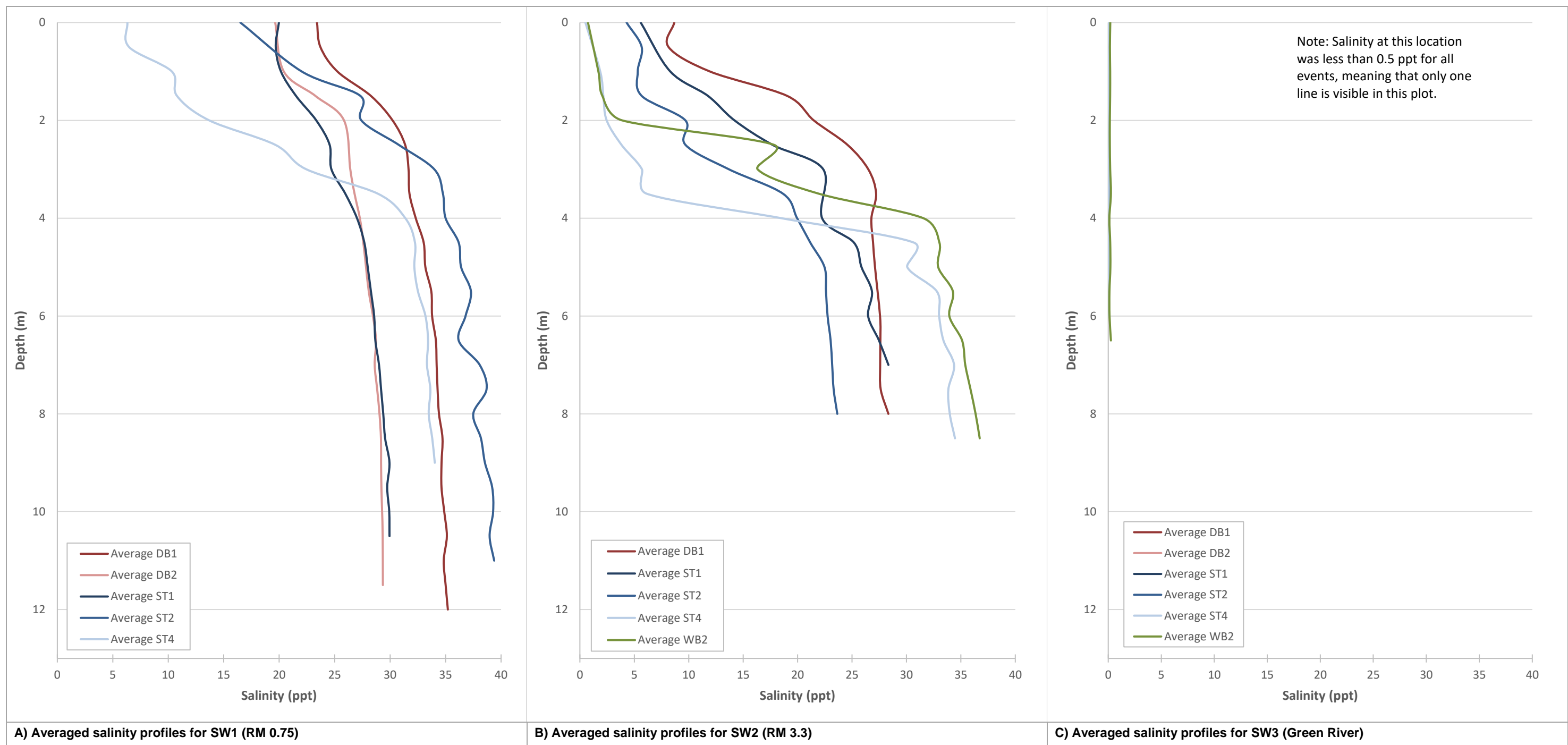


Figure C-1. Comparison of salinity profiles by location

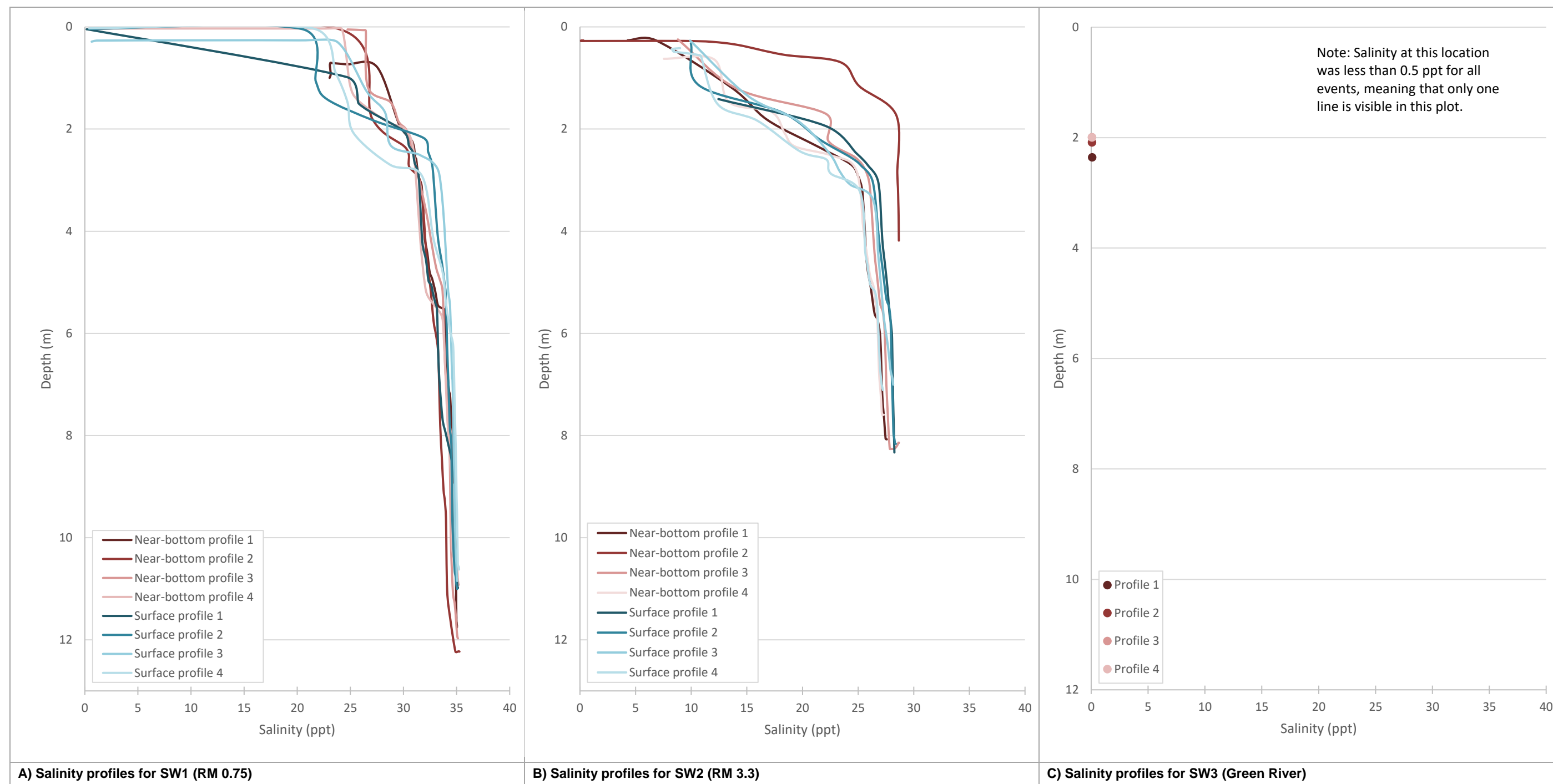


Figure C-2. Salinity profiles for dry baseflow event 1 (DB1)

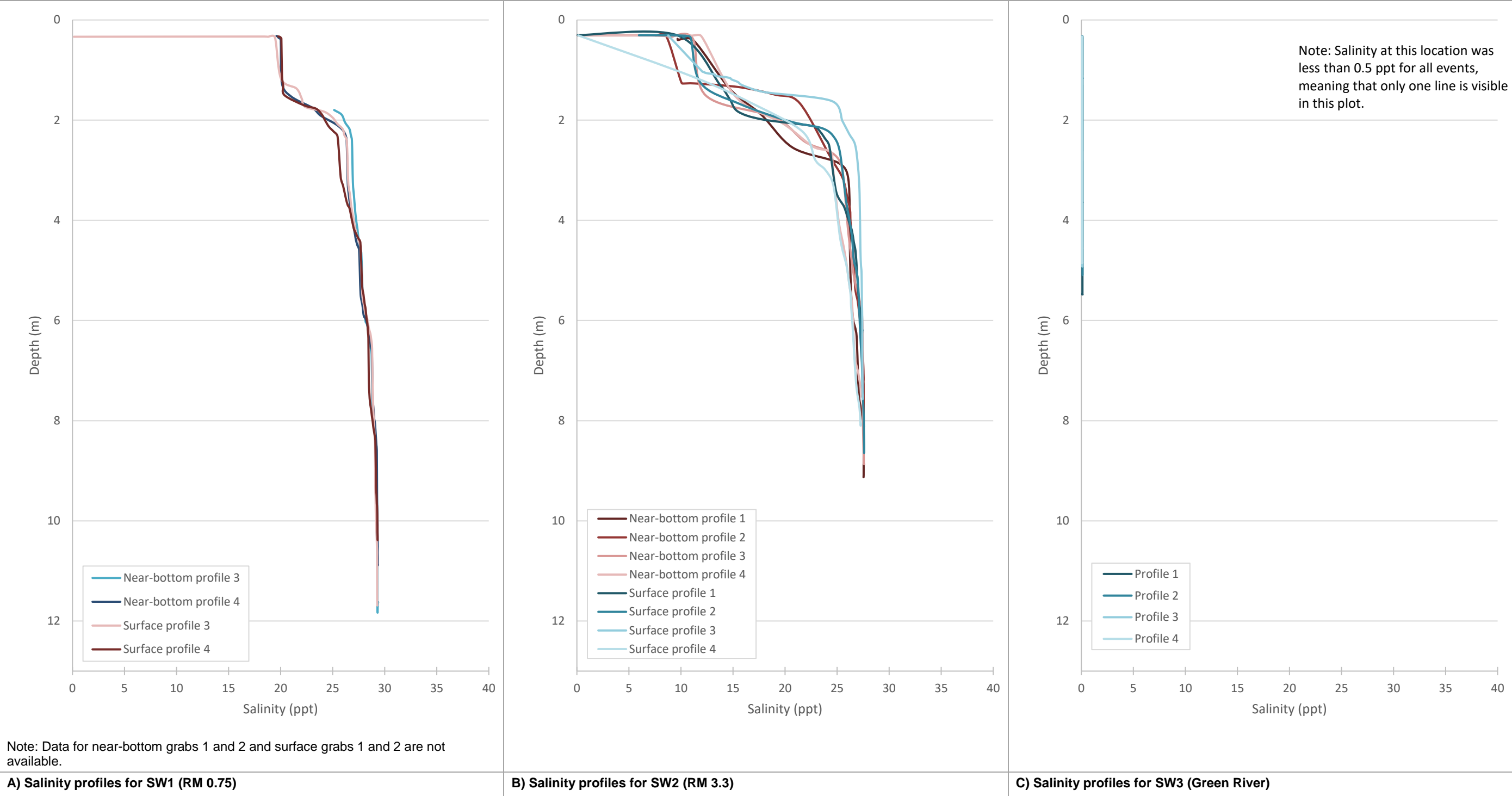


Figure C-3. Salinity profiles for dry baseflow event 2 (DB2)

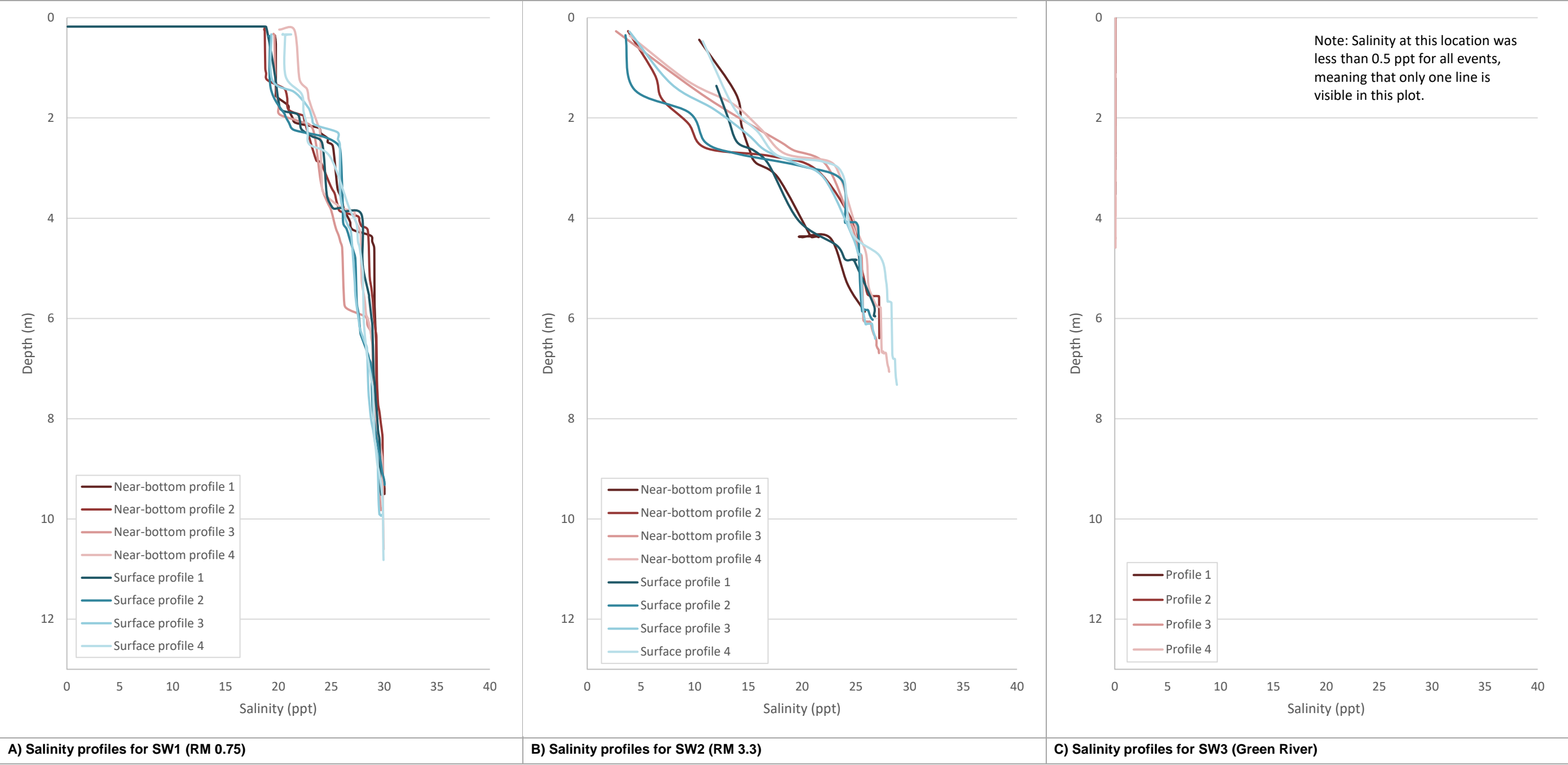


Figure C-4. Salinity profiles for storm 1 (ST1)

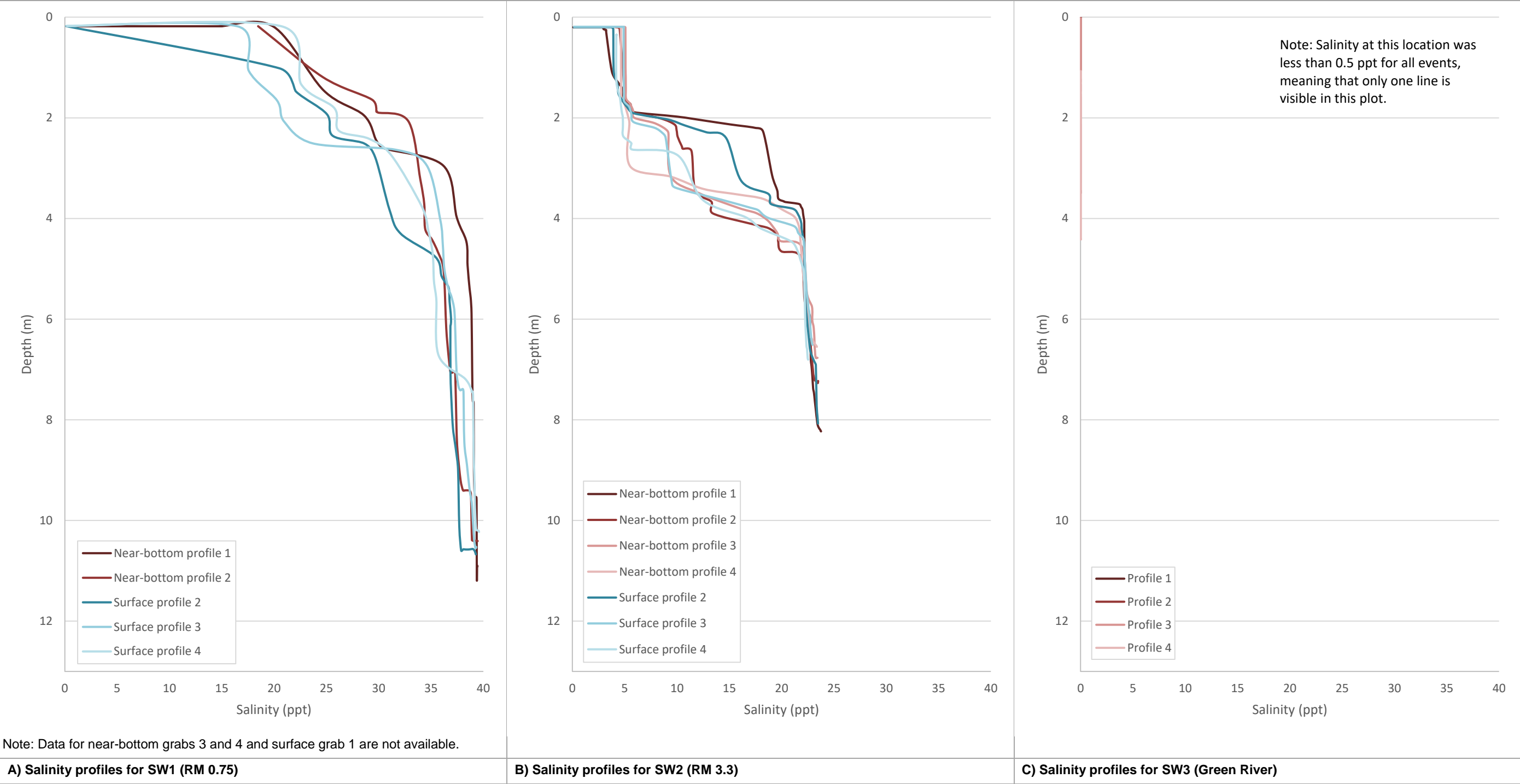


Figure C-5. Salinity profiles for storm 2 (ST2)

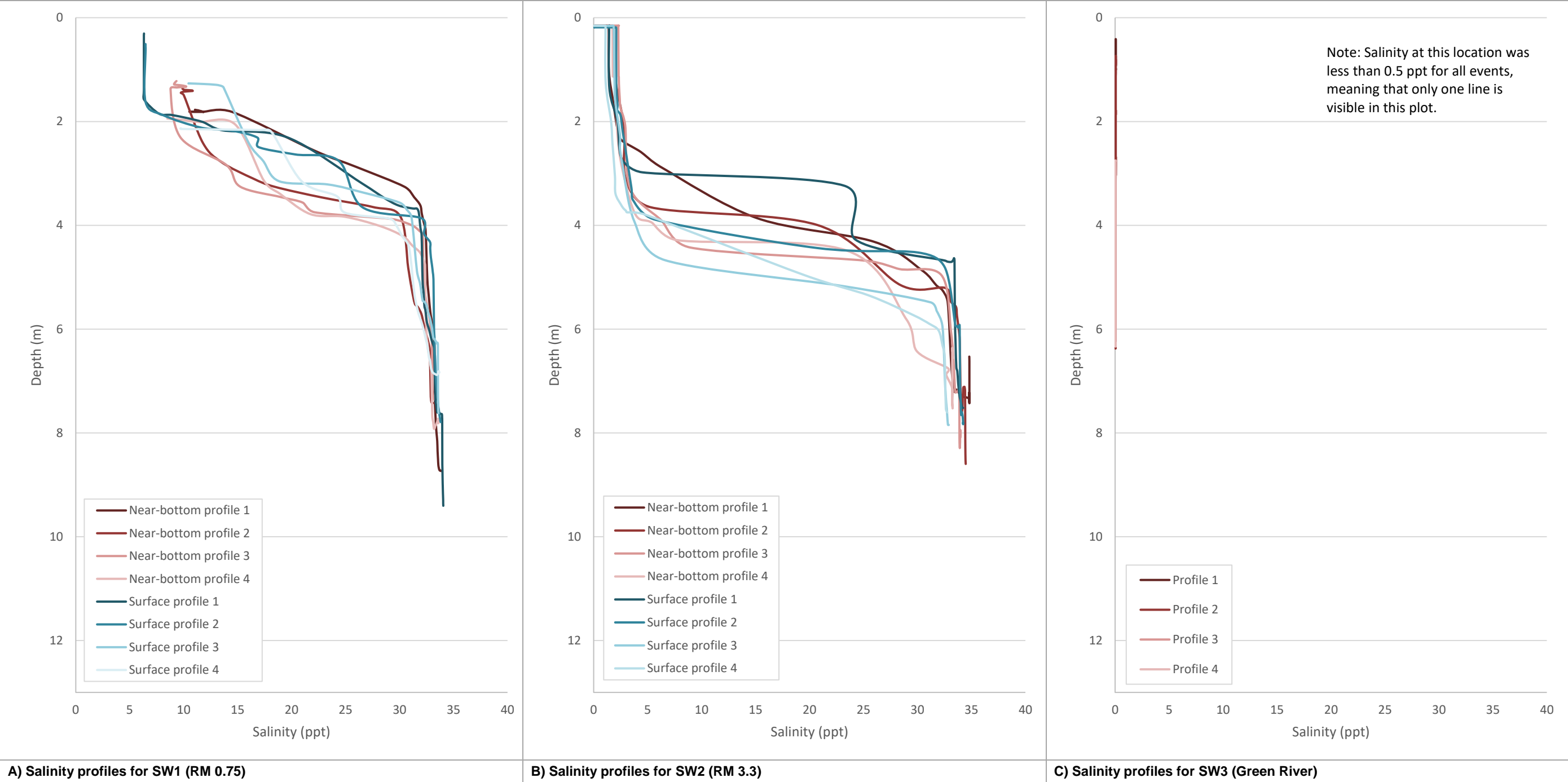


Figure C-6. Salinity profiles for storm 4 (ST4)

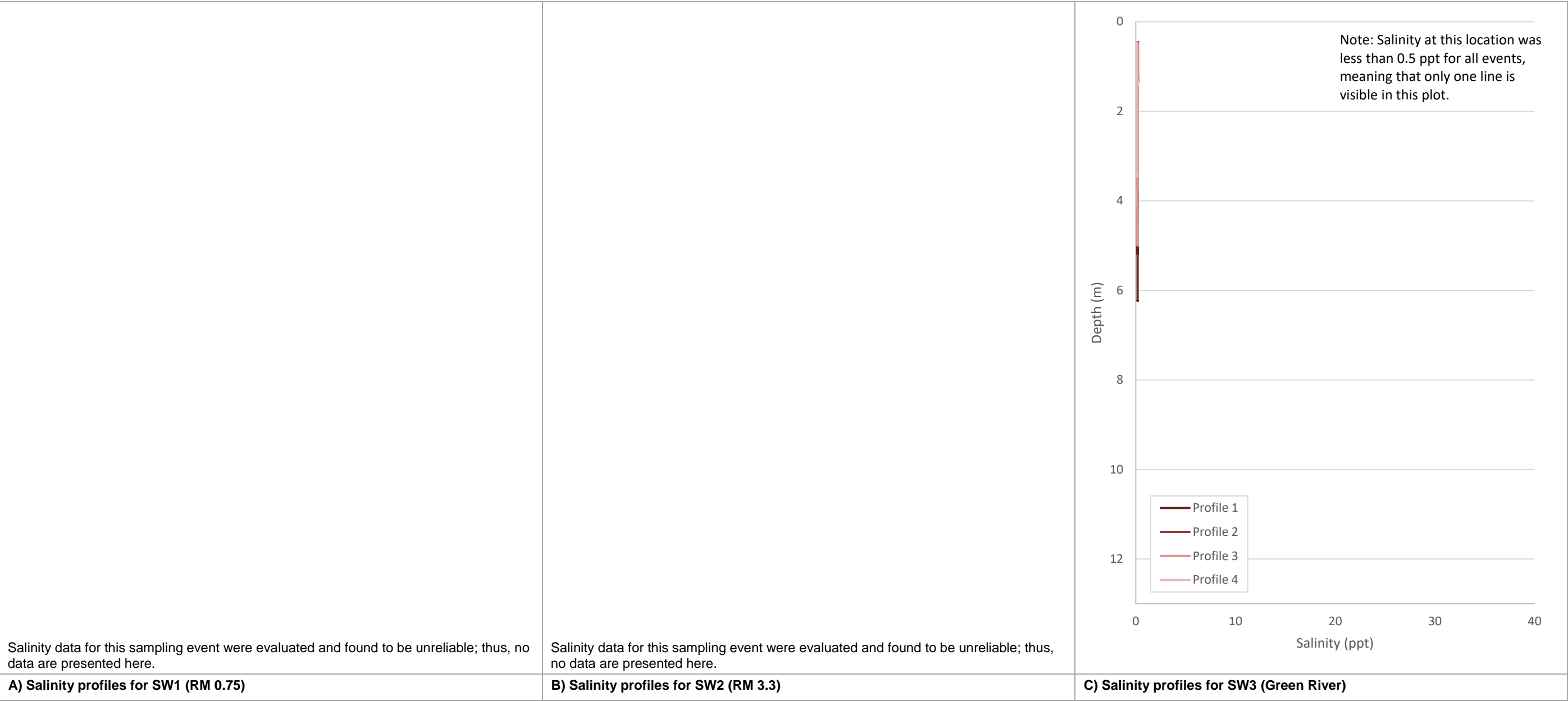


Figure C-7. Salinity profiles for wet baseflow 1 (WB1)

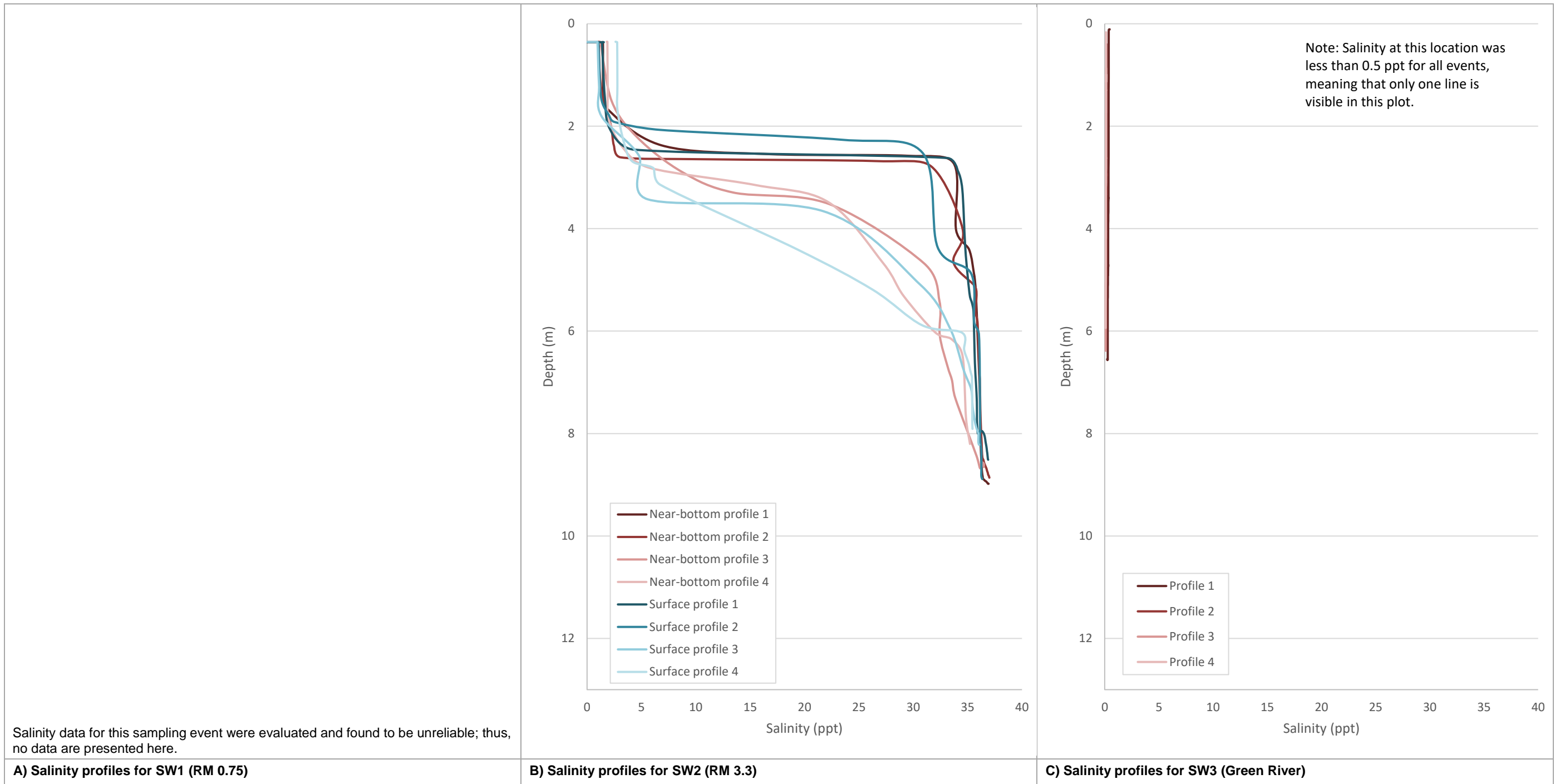


Figure C-8. Salinity profiles for wet baseflow 2 (WB2)